



### SECTION-B

2. What are the advantages of oil hydraulic systems over other methods?
3. What are the desirable properties of hydraulic fluids? Discuss any eight of them in detail.
4. Draw fluid power symbols of any six different types of valves.
5. Explain the working of gear oil pump with neat sketch.
6. Mention different types of pumps used in fluid power system.

### SECTION-C

7. What are the factors to be selected in selection of a pump for automobiles lift? How will you measure the pump performance? Explain each with suitable Examples.
8. With the help of circuits, explain how synchronizing of two linear actuators are achieved by connecting them in series?
9. With neat sketch describe the construction and operation of pressure regulated low control valve. Explain the working of four way two position direction control valve.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**